

IN THE CLAIMS:

Please cancel claims 1-13 and amend claim 14 as follows.

1-13. (Cancelled)

14. (Currently Amended) An embedment device for use in embedding fibers into a settable slurry used in producing a structural board on a board production line including a support frame, said device comprising:

a first ~~integrally formed~~ elongate support shaft secured to the frame and having a first plurality of relatively large diameter axially aligned and axially fixed disks stacked axially along said shaft in between a first plurality of relatively small diameter axially aligned and axially fixed disks;

a second ~~integrally formed~~ elongate support shaft secured to the frame and having a second plurality of relatively large diameter axially aligned and axially fixed disks stacked axially along said shaft in between a first plurality of relatively small diameter axially aligned and axially fixed disks;

said first and second support shafts positioned relative to each other to be horizontally aligned and so that said first plurality of relatively large diameter disks are intermeshed with said second plurality of relatively large diameter disks, said intermeshed relationship creating a close, yet relatively rotational tolerance between adjacent disks of said opposing first and second support shafts for self cleaning;

each of said first plurality of relatively large diameter disks overlapping a corresponding one of said second plurality of relatively large diameter disks approximately the length of a radius of said large diameter disks;

peripheries of said first and second pluralities of relatively large diameter disks being in close proximity to corresponding peripheries of said opposed relatively small diameter disks for preventing said slurry from becoming caught between said relatively large diameter disks and said relatively small diameter disks;

said shafts being oriented on the frame to be generally parallel to each other and to define a plane vertically displaced from and parallel to said board production line;

said first plurality of relatively large diameter disks being disposed relative to the frame to create a first trough pattern in the slurry for embedding the fibers therein, and said second plurality of relatively large diameter disks being disposed relative to the frame to create a second trough pattern in the slurry, said second trough pattern being transversely offset from said first pattern; and

said first and second shafts, and said associated disks, rotate in the same direction.